

First Hit

L24: Entry 10 of 29

File: JPAB

Apr 5, 1984

PUB-NO: JP359059624A

DOCUMENT-IDENTIFIER: JP 59059624 A

TITLE: PREPARATION OF ANTIDIABETIC AGENT

PUBN-DATE: April 5, 1984

## INVENTOR-INFORMATION:

NAME

COUNTRY

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INT-CL (IPC): A61K 35/78

## ABSTRACT:

PURPOSE: To obtain the titled extraction fraction and extract useful as an antidiabetic agent free from side effects, in high purity, by extracting the corns of hop with a specific extractant, and evaporating the extraction solvent to dryness.

CONSTITUTION: The corns of hop are extracted with an alcohol, the alcohol is distilled off, the residue is extracted with ether, the ether is distilled off, the residue is further extracted with alcohol, the alcohol is distilled off, and the residue is extracted with n-hexane. The treated residue is separated into n-hexane-soluble fraction and the insoluble fraction. n-Hexane is distilled off from the n-hexane-soluble fraction to obtain the objective active component. Other active component of antidiabetic agent can also be obtained from the n-hexane-insoluble fraction. The ingredient components which do not participate in the antidiabetic action can be removed from hop by the above extraction treatment with the extraction solvent, and a fraction having strong durg action can be obtained. The component is an antidiabetic agent of a new type free from hypoglycemic phenomenon and the increase in the lactic acid level in blood.

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### End of Result Set

Apr 5, 1984

PRIORITY-DATA: 1982JP-0170278 (September 29, 1982)

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PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 59059624 A	April 5, 1984		007	

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
JP 59059624A	September 29, 1982	1982JP-0170278	

ABSTRACTED-PUB-NO: JP 59059624A  
BASIC-ABSTRACT:

ABSTRACTED-PUB-NO: JP 59059624A  
EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.0/0

DERWENT-CLASS: B04

CPI-CODES: B04-A07F; B12-H05;